

AF/GP3738

#19

Amde E (NE.)  
J. Byce

2/5/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Carlyle et al.

Serial No.: 09/014,087

Filed : January 27, 1998

For : BIOPROSTHESIS WITH ASSOCIATED  
GROWTH FACTORS

Docket No.: S16.12-0062



Group Art Unit: 3738

Examiner: P. Prebilic

AMENDMENT AFTER FINAL

Box AF

Assistant Commissioner for Patents  
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
SENT BY U.S. MAIL, FIRST CLASS, TO THE  
ASSISTANT COMMISSIONER FOR PATENTS,  
WASHINGTON, D.C. 20231, THIS

29 DAY OF January, 2001.

Usala C. Gosswitz  
PATENT AGENT

Sir:

In response to the Office Action mailed on November  
30, 2000, please enter the following amendments and consider the  
following remarks.

IN THE CLAIMS

1. (Four times Amended) A prosthesis for a human patient  
comprising allograft or xenograft tissue having a polypeptide  
growth factor associated therewith by a biologic adhesive  
covalent bonding using crosslinking agents comprising a plurality  
of functional groups with same functionalities, [or noncovalent  
bonding characteristic of] antibody-antigen associations, specific  
binding protein-receptor associations [and] or enzyme substrate  
associations, said polypeptide growth factor being effective to  
stimulate the affiliation of viable cells with said tissue.

14. (Four times amended) A prosthetic heart valve comprising  
a substrate with associated VEGF, wherein said VEGF is associated  
with the substrate by direct attachment, a biologic adhesive,

Do Not  
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